

SPECIFICATION

DISK DRIVE SYSTEM

MDS  
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This application is a DIV 09/815,276 03/23/2001 PAT 6,735,053

Field of the Invention

The present invention relates to a disk drive system provided with a latching mechanism for holding an actuator in a parking position against an external shock.

Background of the Invention

In a disk drive system, especially the disk drive system arranged in a portable personal computer such as of notebook size, higher reliability is now required with respect to a shock during non-operation.

When a slider mounted on an actuator is moved from a parking position to a data area on a surface of a disk by the shock during non-operation of the disk drive system, the slider is attached to or harms a surface of the data area, which causes a fatal fault.

An actuator locking mechanism is known as a mechanism for holding the actuator in the parking position during non-operation and preventing the actuator from being oscillated and moved to the surface of the data area by the shock.

Considered in a recent disk drive system is a loading/unloading mechanism of the slider for the purpose of preventing the slider from being attached to a surface of the shunting area and of obtaining higher reliability with respect to the above described shock. The loading/unloading mechanism is such that the actuator is held by a component called a ramp provided near an outer periphery of the disk during non-

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